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PTO/SB/84 (09-04)

Approved for use through 07/31/2006 OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT
ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b)**

Docket Number (Optional)

First named inventor: Lin You-Tien

Application No.: 10/666,962

Art Unit: 3743

Filed: September 19, 2003

Examiner: McKinnon, Terrell L

Title: Heat Sink Element Coupling Structure (2)

Attention: Office of Petitions
Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
FAX (703) 872-9306

NOTE: If information or assistance is needed in completing this form, please contact Petitions Information at (703) 305-9282.

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the United States Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the office notice or action plus an extensions of time actually obtained

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION

NOTE: A grantable petition requires the following items:

- (1) Petition fee;
- (2) Reply and/or issue fee;
- (3) Terminal disclaimer with disclaimer fee - required for all utility and plant applications filed before June 8, 1995; and for all design applications; and
- (4) Statement that the entire delay was unintentional.

1. Petition fee

- ☒ Small entity-fee \$ 750 (37 CFR 1.17(m)). Applicant claims small entity status. See 37 CFR 1.27.
- ☐ Other than small entity - fee \$ _____ (37 CFR 1.17(m))

2. Reply and/or fee

08/11/2005 TL0111 00000014 10666962

- A. The reply and/or fee to the above-noted Office action in the form of Amendments to the claims 1-10 01 FC:2453 (Identify type of reply): 750.00 DP

- ☐ has been filed previously on _____
- ☒ is enclosed herewith.

- B. The issue fee and publication fee (if applicable) of \$ _____

- ☐ has been paid previously on _____
- ☐ is enclosed herewith.

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This collection of information is required by 37 CFR 1.137(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 121 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 460, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/04 (09-04)

Approved for use through 07/31/2008 OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

3. Terminal disclaimer with disclaimer fee

- ☒ Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.
- ☐ A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$ _____ for a small entity or \$ _____ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/63).

4. STATEMENT: The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional. (NOTE: The United States Patent and Trademark Office may require additional information if there is a question as to whether either the abandonment or the delay in filing a petition under 37 CFR 1.137(b) was unintentional (MPEP 711.03(c), subsections (III)(C) and (D)).]

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Lin You-Tien

Signature

August 6, 2005

Date

Lin You-Tien

Typed or printed name

Registration Number, if applicable

P.O. Box 1-252, Sanchung City, Taiwan, ROC

Address

886-2-2984-0694

Telephone Number

AddressEnclosures: ☒ Fee Payment☒ Reply☐ Terminal Disclaimer Form☒ Additional sheets containing statements establishing unintentional delay☐ Other: _____

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

☐ Deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Petition, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

☒ Transmitted by facsimile on the date shown below to the United States Patent and Trademark Office as (703) 872-9306.

August 6, 2005

Date

Lin You-Tien

Signature

Lin You-Tien

Typed or printed name of person signing certificate

Application Number: 10/666,962

AMENDMENTS TO THE CLAIMS:

Please amend the claims with the ones provided in the listing below wherein status, amendments and cancellations are indicated.

1. **(Currently Amended)** A heat sink element coupling structure (2), its single heat sink element plate comprised of an I-shaped plate having ~~an~~ a horizontal fold formed along one lateral edge or an a horizontally oriented U-shaped plate having ~~an~~ horizontal folds formed along two lateral edges, including a minimum of one or more coupling structures disposed on the upper and lower or left and right ~~two~~ sides or a certain position at the center portion of said plates, the features of which are:

said coupling structure ~~consists~~ consisting of:

~~a "┐" or a "└" shaped~~ an ascending-stepped or a descending-stepped horizontal offset formed on the lateral edge of said plates:

an inverted U-shaped or a U-shaped ~~appendages~~ appendage situated at the anterior section of said ascending-stepped or said descending-stepped horizontal ~~offsets~~ offset:

one or two wing-shaped lock tabs formed at the two sides or either the left or the right side of said inverted U-shaped or said U-shaped ~~appendages~~ appendage:

when interconnected, one or two said wing-shaped lock tabs of each said coupling structure at the two sides of one heat sink unit (element) are fitted onto said ~~"┐" or "└" shaped~~ ascending-stepped or descending-stepped horizontal offsets of the next correspondingly situated said heat sink unit (element) such that the one or two said wing-shaped lock tabs on said front heat sink unit (element) becomes engaged onto the lateral edge of the

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adjacent other said heat sink unit (element) at fixed horizontal distances and positions.

2. ~~(Canceled) A heat sink element coupling structure (2), its single heat sink element plate comprised of an I-shaped plate having an horizontal fold formed along one lateral edge or a horizontally oriented U shaped plate having an horizontal fold formed along two lateral edges, including a minimum of one or more coupling structures disposed on the upper and lower or left and right two sides or a certain position at the center portion of said plates, the features of which are:~~

~~said coupling structure consists of:~~

~~a "┐" or a "└" shaped horizontal offset formed on two lateral edges of said plates;~~

~~one or two cutaways at the two sides or either the left or the right side of said horizontal offsets, and a downward or upward lock tab at the two sides or the either left or right of the anterior section of said horizontal offsets;~~

~~when interconnected, one or two said lock tabs of each said coupling structure on one heat sink unit (element) are fitted onto said horizontal offsets of the next correspondingly situated said heat sink unit (element) such that the one or two said lock tabs of said coupling structure on said front heat sink unit (element) become engaged onto the upper and lateral said horizontal offsets and or said cutaway at the two sides of the adjacent other said heat sink unit (element) at fixed horizontal distances and positions.~~

3. **(Currently Amended)** As mentioned in Claim 1 of the heat sink element coupling structure (2) invention herein, the features include: wherein each

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said wing-shaped lock tab has a vertical lock edge disposed downward or upward on its rear side.

4. **(Currently Amended)** As mentioned in Claim 1 of the heat sink element coupling structure (2) ~~invention herein, the features include:~~, wherein the anterior section of each said "T" or "T"-shaped ascending-stepped or descending-stepped horizontal offset does not have to be folded into said inverted U-shaped or U-shaped ~~appendages~~ appendage, and a vertical lock tab is folded downward or upward at the rear sides of ~~the~~ two said wing-shaped lock tabs.
5. **(Currently Amended)** As mentioned in Claim 1, Claim 3, and Claim 4 of the heat sink element coupling structure (2) ~~invention herein~~, wherein each said coupling structure only has a single said wing-shaped lock tab at the anterior half sections of its said "T" or "T"-shaped ascending-stepped or descending-stepped horizontal offsets.
6. **(Currently Amended)** As mentioned in Claim 5 of the heat sink element coupling structure (2) ~~invention herein~~, wherein a said cutaway is disposed between said ascending-stepped or descending-stepped horizontal offset having a ~~of an inner side~~ single said wing-shaped lock tab at the inner side thereof and said L-shaped or horizontally oriented U-shaped plates; disposed between said horizontal offset having a ~~of an outer side~~ single said wing-shaped lock tab at the outer side thereof and the said ~~L-shaped or horizontally oriented U-shaped plates~~ the said horizontal fold formed along said L-shaped or horizontally oriented U-shaped plates horizontally folded

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~~planar member~~ is a locating notch.

7. **(Original)** As mentioned in Claim 1 and Claim 3 of the heat sink element coupling structure (2) invention herein, said L-shaped plate lacks a said horizontal fold and has a minimum of one narrow horizontal fold disposed at a position near a said coupling structure.

8. **(Currently Amended)** ~~As mentioned in Claim 2 of the~~ The heat sink element coupling structure (2) ~~of Claim 1 invention herein,~~ wherein the posterior half sections of said upper "┐" ~~or the upper "┌" shaped~~ ascending-stepped or descending-stepped horizontal offsets ~~includes include~~ first disposing two said locating notches, ~~or two said~~ cutaways, or downward and upward indentations on their upper and lower said horizontal folds and then forming the ~~upper and the lower~~ said ascending-stepped or descending-stepped horizontal offsets.

9. **(Cancelled)** ~~As mentioned in Claim 2 of the heat sink element coupling structure (2) invention herein, said coupling structure horizontal offsets includes direct situating on the upper edge of said L-shaped plate.~~

10. **(Currently Amended)** As mentioned in Claim 1 ~~and Claim 2~~ of the heat sink element coupling structure (2) ~~invention herein,~~ said L-shaped plate or said horizontally oriented U-shaped plate ~~s have~~ has a plurality of holes.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Lin You-Tien

Serial No.: 10/666,962

Filed: Sep. 19, 2003

Examiner: McKinnon, Terrell L.

Group Art Unit: 3743

Confirmation No. 9515

Petition to Withdraw Holding of Abandonment

Office of Petitions

Mail Stop Petition

Commissioner for Patents

P.O. Box 1450

Alexandria, VA, 22313-1450, USA

August 6, 2005

Via Facsimile

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Dear Sir(s):

In response to the Notice of Abandonment mailed on July 13, 2005, we hereby file a petition to request the above-identified application be revived on the grounds of **UNINTENTIONAL DELAY** under 37 CFR 1.137(b). Please withdraw the holding of abandonment with the required petition fee \$750 set forth in 37 CFR 1.17(m).

According to the Notice of Abandonment, the application was abandoned for failure to timely file the Petition for One-month Extension of Time for the amendment received on September 27, 2004. On July 21, 2005, we fax a Credit Card Payment Form of \$60 for one-month extension fee and that's a mistaken amount for revival of unintentionally abandoned application. Instead, we fax a new Credit Card Payment Form of \$750 for small entity.

If there's any question, please contact Ms. Elaine Lin at +886-2-2984-0694; our facsimile number is +886-2-2984-9030. Thank you for your generous help.

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